



Title V Operating Permit

Permit No: **TV-OP-011**

Date Issued: **March 9, 1999**

This certifies that:

Dartmouth-Hitchcock Medical Center
One Medical Center Drive
Lebanon, NH 03756-0001

has been granted a Title V Operating Permit for the following facility and location:

Dartmouth-Hitchcock Medical Center
One Medical Center Drive
Lebanon, NH 03756-0001
AFS Point Source Number - 3300900003

This Title V Operating Permit is hereby issued under the terms and conditions specified in the Title V Operating Permit Application filed with the New Hampshire Department of Environmental Services on **June 3, 1996** under the signature of the following responsible official certifying to the best of their knowledge that the statements and information therein are true, accurate and complete.

Responsible Official:

Frederick Nothnagel
Vice-President, Facilities
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This Permit is issued by the New Hampshire Department of Environmental Services, Air Resources Division pursuant to its authority under New Hampshire RSA 125-C and in accordance with the provisions of Code of the Federal Regulations 40 Part 70.

This Title V Operating Permit shall expire on **March 31, 2004**.

SEE ATTACHED SHEETS FOR ADDITIONAL PERMIT CONDITIONS

For the New Hampshire Department of Environmental Services, Air Resource Division

Director, Air Resources Division

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Facility Specific Title V Operating Permit Conditions

I. Facility Description of Operations:

The Dartmouth-Hitchcock Medical Center (DHMC), a 1.3 million square foot health-care facility includes the Mary Hitchcock Memorial Hospital, the Hitchcock Clinic (Lebanon site), and the Dartmouth Medical School (Lebanon site). The three facilities share the same infrastructure, including two instrument sterilizers, three boilers, and four emergency generators. These devices are operated by the Hospital on behalf of all three organizations, with operating permit requirements being administered by the Hospital's Facilities Management office.

Three steam boilers at DHMC, rated at 47 mmBtu per hour each, generate steam for use in space heating, domestic hot water heating, humidification, and process steam for sterilizers at the facility. Construction for the three boilers began in the fall of 1988.

Four emergency generators, with a nameplate rating of 1250 kW **each** for standby power, are available to supply electricity for DHMC in the event of a utility power failure. These emergency generators were formerly permitted for peak-shaving. However, DHMC discontinued this practice in 1993 and formalized the emergency use only policy in its NOX RACT Compliance Plan submitted in September 1994. These emergency generators will be limited to less than 500 hours of operation for each unit in this permit.

DHMC has two 250 pound per hour infectious waste autoclaves, put in service in 1996 to replace the medical waste incinerator which was taken off-line in August 1995, and permanently closed in 1996. The two autoclaves use steam from the boilers to treat the waste and therefore are classified as an exempt activity in accordance with Env-A 609.03(c)(7).

The institution has two small (four cubic feet) ethylene oxide (ETO) sterilizers used in sterilizing certain instruments and procedures critical to the surgery practice at this institution. The facility is working with the FDA and equipment manufacturers in development of a new technology for sterilization to eliminate use of ETO.

II. Permitted Activities:

In accordance with all of the applicable requirements identified in this permit, the permittee is authorized to operate the devices and or processes identified in Sections III, IV, and V within the terms and conditions specified in this Permit.

III. Significant Activities Identification:

- A. The activities identified in the following table (Table 1) are subject to and regulated by this Title V Operating Permit:

Table 1 - Significant Activity Identification			
Emission Unit Number (EU#)	Description of Emission Unit	Exhaust Stack Identification	Emissions Unit Maximum Allowable Permitted Capacity
EU1	Boiler #1	Stack #1 (Common stack shared among Boilers #1, #2, #3 and Emergency Generators #1, #2, #3, & #4. Boilers #1, #2, & #3 have a common flue and Emergency Generators #1, #2, #3, & #4 have a common flue.)	Limited to 47 million Btu per hour gross heat input, with a maximum combined operating rate for Boilers #1, #2, & #3 of 1,485 million Btu per day which is equivalent to 9900 gallons of #6 fuel oil containing no more than 1.0 percent sulfur by weight over any consecutive 24 hour period, and 3,000,000 gallons of #6 fuel oil containing no more than 1.0 percent sulfur by weight over any consecutive 12 month period
EU2	Boiler #2	Stack #1 (Common stack shared among Boilers #1, #2, #3 and Emergency Generators #1, #2, #3, & #4. Boilers #1, #2, & #3 have a common flue and Emergency Generators #1, #2, #3, & #4 have a common flue.)	Limited to 47 million Btu per hour gross heat input, with a maximum combined operating rate for Boilers #1, #2, & #3 of 1,485 million Btu per day which is equivalent to 9900 gallons of #6 fuel oil containing no more than 1.0 percent sulfur by weight over any consecutive 24 hour period, and 3,000,000 gallons of #6 fuel oil containing no more than 1.0 percent sulfur by weight over any consecutive 12 month period
EU3	Boiler #3	Stack #1 (Common stack shared among Boilers #1, #2, #3 and Emergency Generators #1, #2, #3, & #4. Boilers #1, #2, & #3 have a common flue and Emergency Generators #1, #2, #3, & #4 have a common flue.)	Limited to 47 million Btu per hour gross heat input, with a maximum combined operating rate for Boilers #1, #2, & #3 of 1,485 million Btu per day which is equivalent to 9900 gallons of #6 fuel oil containing no more than 1.0 percent sulfur by weight over any consecutive 24 hour period, and 3,000,000 gallons of #6 fuel oil containing no more than 1.0 percent sulfur by weight over any consecutive 12 month period
EU4	Emergency Generator #1	Stack #1 (Common stack shared among Boilers #1, #2, #3 and Emergency Generators #1, #2, #3, & #4. Boilers #1, #2, & #3 have a common flue and Emergency Generators #1, #2, #3, & #4 have a common flue.)	500 hours of operation during any consecutive 12 month period

Table 1 - Significant Activity Identification			
EU5	Emergency Generator #2	Stack #1 (Common stack shared among Boilers #1, #2, #3 and Emergency Generators #1, #2, #3, & #4. Boilers #1, #2, & #3 have a common flue and Emergency Generators #1, #2, #3, & #4 have a common flue.)	500 hours of operation during any consecutive 12 month period
EU6	Emergency Generator #3	Stack #1 (Common stack shared among Boilers #1, #2, #3 and Emergency Generators #1, #2, #3, & #4. Boilers #1, #2, & #3 have a common flue and Emergency Generators #1, #2, #3, & #4 have a common flue.)	500 hours of operation during any consecutive 12 month period
EU7	Emergency Generator #4	Stack #1 (Common stack shared among Boilers #1, #2, #3 and Emergency Generators #1, #2, #3, & #4. Boilers #1, #2, & #3 have a common flue and Emergency Generators #1, #2, #3, & #4 have a common flue.)	500 hours of operation during any consecutive 12 month period

Stack Criteria:

- B.** The following stacks for the above listed significant devices at this facility shall discharge vertically without obstruction (including rain caps) and meet the following criteria in accordance with the state-only modeling requirements specified in Env-A 1300 and Env-A 1400:

Table 2 - Stack Criteria		
Stack #	Minimum Stack Height (Feet)	Maximum Stack Diameter (Feet)
Stack #1	150	4.67 (Common flue for Boilers #1, #2, & #3)
Stack #1	150	1.33 (For each of the individual Emergency Generators #1, #2, #3, & #4)

Preauthorized changes to the state-only requirements pertaining to stack parameters (set forth in this permit), shall be permitted only when an air quality impact analysis which meets the criteria of Env-A 606 is performed either by the facility or the DES (if requested by facility in writing) in accordance with the “DES Policy and Procedure for Air Quality Impact Modeling”. All air modeling data shall be kept on file at the facility for review by the DES upon request.

IV. Insignificant Activities Identification:

All activities at this facility that meet the criteria identified in the New Hampshire Rules Governing the Control of Air Pollution Part Env-A 609.03(g), shall be considered insignificant activities. Emissions from the insignificant activities shall be included in the total facility emissions for the emission-based fee calculation described in Section XXIII of this Permit.

V. Exempt Activities Identification:

All activities identified in the New Hampshire Rules Governing the Control of Air Pollution Env-A 609.03(c) shall be considered exempt activities and shall not be subject to or regulated by this Title V Operating Permit.

VI. Pollution Control Equipment Identification:

The devices and/or processes identified in Table 1 do not operate with any pollution control equipment.

VII. Alternative Operating Scenarios:

No alternative operating scenarios were identified for this Permit.

VIII. Applicable Requirements:

A. State-only Enforceable Operational and Emission Limitations:

The Permittee shall be subject to the state-only operational and emission limitations identified in Table 3 below.

Table 3 - State-only Enforceable Operational and Emission Limitations			
Item #	Regulatory Cite	Applicable Emission Unit	Applicable Requirement
1.	Env-A 404.01	EU1, EU2, & EU3	Sulfur Dioxide emissions from each Class B major source, shall have an average emission rate of 1.6 pounds of sulfur dioxide per million Btu input. DHMC shall be required to use No. 6 oil with a maximum of 1.0 percent sulfur by weight for each of its boilers.
2.	Env-A 1305.01(a)	Facility Wide	New or modified devices, new or modified area sources, and existing devices or area sources for which new applications for permits are filed that have the potential to emit, in any amount, substances that meet the criteria of Env-A 1301 shall be subject to Env-A 1300, until such time as the Env-A 1400 requirements supersede the Env-A 1300 requirements. (As outlined below)
3.	Env-A 1305.02	Facility Wide	Air quality impact analysis of devices and area sources emitting substances meeting the criteria of Env-A 1301 shall be performed in accordance with the "DES Policy and Procedure for Air Quality Impact Modeling" or other comparable dispersion modeling methods approved by EPA.
4.	Env-A 1403.01	Facility Wide	In accordance with Env-A 1403.01, new or modified devices or processes installed after May 8, 1998, shall be subject to the requirements of Env-A 1400.
5.	Env-A 1403.02(a)	Facility Wide	In accordance with 1403.02(a), all existing unmodified devices or processes which are in operation during the transition period ending three years from May 8, 1998 (May 8, 2001), shall comply with either Env-A 1300 or Env-A 1400.
6.	Env-A 1403.02(b)	Facility Wide	In accordance with Env-A 1403.02(b), all existing devices or processes in operation after the transition period ending three years from May 8, 1998 (May 8, 2001), shall comply with Env-A 1400. Env-A 1300 will no longer be in effect.
7.	Env-A 1404.01(d)	Facility Wide	In accordance with Env-A 1404.01(d), documentation for the demonstration of compliance shall be retained at the site, and shall be made available to the DES for inspection.
8.	Env-A 1405.02	Facility Wide	In accordance with Env-A 1405.02 the owner of an existing device or process requiring a permit modification under chapter Env-A 1400 shall submit to the DES no later than one year prior to the end of the transition period (May 8, 2000), an application for a modification to a title V permit in accordance with Env-A 609.18, and a request to the DES to perform air dispersion modeling.
9.	Env-A 1405.03	Facility Wide	In accordance with Env-A 1405.03 the owner of an existing device or process requiring a permit under Env-A 1300 shall submit to the DES no later than one year prior to the end of the transition period (May 8, 2000), a compliance plan identifying how the device or process will comply with chapter Env-A 1400 by the end of the transition period. The compliance plan shall contain the dates when the information required in Env-A 1405.02 will be filed with the DES.

Table 3 - State-only Enforceable Operational and Emission Limitations

10.	Env-A 1406.01	Facility Wide	In accordance with Env-A 1406.01 the owner of any device or process which emits a regulated toxic air pollutant shall determine compliance with the ambient air limits by using one of the methods provided in Env-A 1406.02, Env-A 1406.03, or Env-A 1406.04. Upon request, the owner of any device or process which emits a regulated toxic air pollutant shall provide documentation of compliance with the ambient air limits to the DES.
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VIII. B. Federally Enforceable Operational and Emission Limitations

The Permittee shall be subject to the federally enforceable operational and emission limitations identified in Table 4 below.

Table 4 - Federally Enforceable Operational and Emission Limitations			
Item #	Regulatory Cite	Applicable Emission Unit	Applicable Requirement
1.	RSA 125-C:6, RSA 125-C:11, and Env-A 606.04	EU1, EU2, & EU3	Boilers #1, #2, & #3 shall be limited to: (A) A combined consecutive 12 month total of 3,000,000 gallons of No. 6 oil with a maximum sulfur content of 1.0 percent by weight, in order to meet national ambient air quality standards for sulfur dioxide; (B) A combined daily limit of 1485 million Btu per day gross heat input, equivalent to 9900 gallons of #6 fuel oil with a maximum sulfur content of 1.0 percent by weight over any consecutive 24 hour period, in order to meet national ambient air quality standards for sulfur dioxide; and (C) Each Boiler shall be limited to 47 million Btu per hour gross heat input, which is equivalent to 313.3 gallons per hour of #6 fuel oil containing no more than 1.0 percent sulfur by weight, in order to meet national ambient air quality standards for sulfur dioxide.
2.	RSA 125-C:6, RSA 125-C:11, and Env-A 606.04	EU4, EU5, EU6, & EU7	Emergency Generators #1, #2, #3, & #4 shall each be limited to 13.0 million Btu per hour gross heat input derived from #2 fuel oil with a maximum sulfur content of 0.4 percent by weight and limited to less than 1000 hours of operation for each unit in any consecutive 12 month period, in order to meet national ambient air quality standards for sulfur dioxide.
3.	RSA 125-C:6, RSA 125-C:11, and Env-A 606.04	ETO Sterilizers	The ETO Sterilizers shall be limited to running one unit for only one time during any 24 hour period.
4.	Env-A 1211.11(b)	EU4, EU5, EU6, & EU7	Each emergency generator shall be limited to less than 500 hours of operation per year during any consecutive 12 month period.
5.	Env-A 1211.11(d)	EU4, EU5, EU6, & EU7	On and after May 31, 1995, stationary internal combustion engines operating as emergency generators shall at all times: (A) Install, operate, and maintain an elapsed time meter for each engine to indicate, in cumulative hours, the elapsed engine operating time for the previous 12 months; (B) Determine the hours of operation for each engine for the previous 12 month period on a monthly basis; and (C) Notify the DES in writing in the event that the hours of operation exceed 500 hours for any consecutive 12 month period.
6.	Env-A 1211.11(e)	EU4, EU5, EU6, & EU7	If the hours of operation of any emergency generator exceed 500 hours for any consecutive 12 month period, the emergency generator shall immediately become subject to the requirements of Env-A 1211.06 or Env-A 1211.07 for the appropriate device type and fuel type.
7.	Env-A 1211.11(f)	EU4, EU5, EU6, & EU7	The emissions from emergency generators shall be included in the calculation of both the actual and theoretical potential emissions from a stationary source.
8.	Env-A 1604.01(a)	EU4, EU5, EU6, & EU7	The sulfur content of No. 2 oil shall not exceed 0.40 percent sulfur by weight.
9.	Env-A 2003.02	EU1, EU2, EU3, EU4, EU5, EU6, & EU7	No owner or operator shall cause or allow average opacity from fuel burning devices installed after May 13, 1970 in excess of 20 percent for any continuous 6 minute period in a 60 minute period.

Table 4 - Federally Enforceable Operational and Emission Limitations

10.	Env-A 2003.08(c)(1)	EU1, EU2, EU3, EU4, EU5, EU6, & EU7	<p>No owner or operator shall cause or allow emissions of particulate matter from fuel burning devices installed on or after January 1, 1985, in excess of the rates set forth below, where:</p> <p>(A) "E" means the maximum allowable particulate matter emission rate in lb/10⁶ BTU;</p> <p>(B) "I" means the maximum gross heat input rate in 10⁶ BTU/hr;</p> <p>(C) For devices with I less than 100, E shall be equal to 0.30;</p> <p>(D) For devices with I equal to or greater than 100 but less than 250, E shall be equal to 0.15; or</p> <p>(E) For devices with I equal to or greater than 250, E shall be equal to 0.10. Boilers #1, #2, & #3 and Emergency Generators #1, #2, #3, & #4 shall be limited to 0.30 lb/10⁶ BTU for particulate matter.</p>
11.	1990 CAAA Section 112(r)(1)	Facility Wide	<p>The facility is subject to the Purpose and General Duty clause of the 1990 Clean Air Act, Section 112(r)(1). General Duty includes the following responsibilities:</p> <ol style="list-style-type: none"> 1. Identify potential hazards which may result from such releases using appropriate hazard assessment techniques; 2. Design and maintain a safe facility; 3. Take steps necessary to prevent releases; and 4. Minimize the consequences of accidental releases which do occur.

VIII. C. Emission Reductions Trading Requirements

The Permittee did not request emissions reductions trading in its operating permit application. At this point, DES has not included any permit terms authorizing emissions trading in this permit. All emission reductions trading, must be authorized under the applicable requirements of either Env-A 3000 (the "Emissions Reductions Credits (or ERCs) Trading Program") or Env-A 3100 (the "Discrete Emissions Reductions (or DERs) Trading Program") and 42 U.S.C. §7401 et seq. (The "Act"), and must be provided for in this Permit.

VIII. D. Monitoring/Testing Requirements

The Permittee is subject to the monitoring/ testing requirements as contained in Table 5 below:

Table 5 - Monitoring/Testing Requirements					
Item #	Control Device	Parameter	Method of Compliance	Frequency of Method	Regulatory Cite
1.	Facility Stacks and boilers	Allows for adequate dispersion of HAPs and other regulated pollutants	Conduct an annual inspection of each stack and fuel burning device. Records of inspections and subsequent maintenance conducted as a result of the annual inspections shall be kept on file at the Facility for review by the DES and/or EPA upon request.	Annually	40 CFR 70.6(a)(3) Federally Enforceable
2.	EU1, EU2, & EU3	Periodic Monitoring & NOx RACT Compliance	Annually, before April 1st of each year, the permittee shall perform an efficiency test using the test procedures specified in ASME/ANSI Boiler Test Code 4.1 and adjust the combustion process of the boiler in accordance with the procedures specified in Chapter 5, Combustion Efficiency Tables, Taplin, Harry R., Fairmont Press, 1991.	Annually, before April 1st	Env-A 1211.05 & 40 CFR 70.6 (a)(3)(i)(B) Federally Enforceable
3.	EU1, EU2, & EU3	Periodic Monitoring	Fuel flow meters/recorders will be operated and maintained for each of the three boilers to monitor #6 fuel oil usage in each of the boilers.	Daily	Env-A 806 & 40 CFR 70.6 (a)(3)(i)(B) Federally Enforceable
4.	Facility Wide	Fuel Sulfur Content Verification	The operator shall conduct testing using the appropriate ASTM method or retain certified delivery tickets which state the weight percent of sulfur for each delivery of fuel oil to determine compliance with the sulfur content limitation provisions in this permit for liquid fuels in order to meet the reporting requirements specified in Env-A 900.	For each delivery	Env-A 809 Federally Enforceable
5.	Facility Wide	Opacity Measurement	Opacity measurements shall be conducted following the procedures set forth in 40 CFR Part 60, Appendix A, Method 9, VISUAL DETERMINATION OF THE OPACITY OF EMISSIONS FROM STATIONARY SOURCES. The opacity measurements shall be taken over 60 minutes during normal operation of the device.	As needed	Env-A 810.03 Federally Enforceable

VIII. E. Record keeping Requirements

The Permittee is subject to the Record keeping requirements as contained in Table 6 below:

Table 6 - Applicable Record keeping Requirements				
Item #	Record keeping Requirement	Frequency of Record keeping	Applicable Emission Unit	Regulatory Cite Federally Enforceable or State-Only Enforceable
1.	The Permittee shall retain records of all required monitoring data, record keeping and reporting requirements, and support information for a period of at least 5 years from the date of the origination.	Retain for a minimum of 5 years	Facility wide	40 CFR 70.6(a)(3)(ii)(B) Federally Enforceable
2.	The permittee shall maintain records of monitoring and testing as specified in Table 5 of this permit for preventative maintenance and inspection results for stacks and fuel burning devices, boiler periodic monitoring data for steam usage, sulfur content in fuel, and opacity readings.	Maintain on a continuous basis as specified in Table 5 of this permit	Facility wide	40 CFR 70.6(a)(3)(iii) (A) Federally Enforceable
3.	The permittee shall maintain records of NOX RACT Testing Results for the boilers in a permanently bound logbook containing the following information: 1. The date(s) on which: a. The efficiency test was conducted; and b. The combustion process was last adjusted; 2. The name(s), title and affiliation of the person(s) who: a. Conducted the efficiency test; and b. Made the adjustments; 3. The NOX emission concentration, in ppmvd, corrected to 15% oxygen, after the adjustments are made; 4. The CO emission concentration, in ppmvd, corrected to 15% oxygen, after the adjustments are made; and 5. The opacity readings	Maintain on a continuous basis as specified in Table 5 of this permit	EU1, EU2, & EU3	Env-A 1211.05(b)(2) & 40 CFR 70.6(a)(3)(iii) (A) Federally Enforceable
4.	Consecutive 24 hour period, and consecutive 12 month rolling totals of fuel utilization shall be kept at the facility and contain the following information: (A) Consumption; (B) Fuel type; (C) Viscosity; (D) Sulfur content as percent sulfur by weight of fuel; (E) Btu content per gallon or cubic feet of fuel; and (F) Hours of operation of the three boilers.	Consecutive 24 hour period, and consecutive 12 month rolling total of fuel consumption	EU1, EU2, & EU3	Env-A 901.03 Federally Enforceable

Table 6 - Applicable Record keeping Requirements

5.	<p>Monthly records of fuel utilization & hours of operation for each emergency generator and twelve consecutive month rolling totals of fuel utilization & hours of operation for each emergency generator shall be kept at the facility and contain the following information:</p> <ul style="list-style-type: none"> (A) Consumption; (B) Fuel type; (C) Viscosity; (D) Sulfur content as percent sulfur by weight of fuel; (E) Btu content per gallon or cubic feet of fuel; and (F) Hours of operation of the four emergency generators. 	Monthly & consecutive 12 month rolling total of fuel consumption, and monthly & consecutive 12 month rolling total hours of operation	EU4, EU5, EU6, & EU7	Env-A 901.03 Federally Enforceable
6.	<p>Daily, monthly, and annual records shall be kept regarding the operation of the ethylene oxide (ETO) sterilizers including the following information:</p> <ul style="list-style-type: none"> (A) Daily hours of operation for each ETO sterilizer; (B) Total quantity of ETO used per day (lb/day); and (C) Total quantity of ETO used for the calendar year (lb/year). 	Daily, monthly, and annually	ETO Sterilizer	Env-A 901.04 Federally Enforceable

Table 6 - Applicable Record keeping Requirements

7.	<p>NOX Record keeping Requirements: For fuel burning devices, including boilers and internal combustion engines, the following information shall be recorded and maintained:</p> <p>(A) Facility information, including:</p> <ol style="list-style-type: none"> 1. Source name; 2. Source identification; 3. Physical address; 4. Mailing address; and <p>(B) Identification of fuel burning device;</p> <p>(C) Operating schedule information for each fuel burning device identified in (B), above, including:</p> <ol style="list-style-type: none"> 1. Days per calendar week during the normal operating schedule; 2. Hours per day during the normal operating schedule and for a typical ozone season day, if different from the normal operating schedule; and 3. Hours per year during the normal operating schedule; <p>(D) Type, and amount of fuel burned, for each fuel burning device, during normal operating conditions and for a typical ozone season day, if different from normal operating conditions, on an hourly basis in million Btu's per hour;</p> <p>(E) The following NOX emission data, including records of total annual emissions, in tons per year, and typical ozone season day emissions, in pounds per day:</p> <ol style="list-style-type: none"> 1. Theoretical potential emissions for the calculation year for each fuel burning device; and 	Daily, weekly, monthly, and annually	Facility Wide	Env-A 901.08 Federally Enforceable
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VIII. F. Reporting Requirements

The Permittee is subject to the reporting requirements as contained in Table 7 below:

Table 7 - Applicable Reporting Requirements				
Item #	Reporting Requirement	Frequency of Reporting	Applicable Emission Unit	Regulatory Cite Federally Enforceable or State-Only Enforceable
1.	<p>VOC Reporting Requirements:</p> <p>All sources subject to the reporting requirements of Env-A 901.07(b) shall submit the following information to the director in accordance with the schedule in Env-A 901.07(h):</p> <p>(A) Facility information, including:</p> <ol style="list-style-type: none"> 1. Source name; 2. Source identification; 3. Physical address; 4. Mailing address; and 5. A copy of the certificate of accuracy required to be maintained pursuant to Env-A 901.04(c). <p>(B) Identification of each device or process operating at the source identified in (A), above;</p> <p>(C) Operating schedule information for each device or process identified in (B), above, including such information for:</p> <ol style="list-style-type: none"> 1. A typical business day; and 2. A typical high ozone season day, if different from a typical business day; <p>(D) Total quantities of actual VOC and NOX emissions for the entire facility and for each device or process identified in (B), above, including:</p> <ol style="list-style-type: none"> a. Annual VOC emissions, and b. Typical high ozone season day VOC emissions. 	By April 15, 1996 for calendar year 1995; every third calendar year after 1995 by April 15th of the following year.	Facility Wide	Env-A 901.07(b) Federally Enforceable
2.	<p>NOX Reporting Requirements:</p> <p>For fuel burning devices, including boilers and engines, and miscellaneous sources, the owner or operator shall submit to the director, annually (no later than April 15th of the following year), reports of the data required by Condition VIII.E., Table 6, Item 7., including total annual quantities of all _{NOX} emissions.</p>	Annually (no later than April 15th of the following year)	Facility Wide	Env-A 901.09 Federally Enforceable
3.	The permittee shall submit an annual fuel usage report indicating consecutive 24 hour period and consecutive 12 month rolling totals of fuel utilization for the three boilers and corresponding fuel information as outlined in Condition VIII.E., Table 6, Item 4.	Annually (no later than April 15th of the following year)	EU1, EU2, & EU3	40 CFR 70.6 (a)(1) Federally Enforceable
4.	The permittee shall submit an annual fuel usage report indicating monthly and rolling twelve consecutive month fuel utilization and consecutive 12 month rolling total hours of operation for the emergency generators as outlined in Condition VIII.E., Table 6, Item 5.	Annually (no later than April 15th of the following year)	EU4, EU5, EU6, & EU7	40 CFR 70.6 (a)(1) Federally Enforceable

Table 7 - Applicable Reporting Requirements				
5.	Prompt reporting of deviations from Permit requirements within 8 hours of such an occurrence by phone or fax in accordance with Section XXVIII. of this Permit.	Prompt reporting (ie; within 8 hours of an occurrence).	Facility Wide	Env-A 902.02 & 40 CFR 70.6(a)(3)(iii) (B) Federally Enforceable
6.	The Permittee shall submit to DES a summary report of monitoring and testing requirements every 6 months. All instances of deviations from Permit requirements must clearly be identified in such reports. All required reports must be certified by a responsible official consistent with section 70.5(d). The report shall contain a summary of the following information: <div style="margin-left: 40px;"> (A) Preventative maintenance and inspection results for stacks and fuel burning devices. (B) A summary of the report of the boilers periodic monitoring test results required in the Applicable Monitoring/Testing section of this permit. </div>	Every 6 months by July 31st and January 31st of each calendar year.	Facility wide	40 CFR 70.6(a)(3)(iii) (A) Federally Enforceable
7.	Any report submitted to the DES and/or EPA shall include the compliance certification statement as outlined in Section XXI.B. of this Permit and shall be signed by the responsible official.	As specified	Facility wide	40 CFR 70.6(c)(1) Federally Enforceable
8.	Annual reporting and payment of emission based fees shall be conducted in accordance with Section XXIII of this Permit	As specified in Section XXIII.	Facility wide	Env-A 704.03 Federally Enforceable
9.	Annual compliance certification shall be submitted in accordance with Section XXI of this Permit.	April 15th	Facility wide	40 CFR 70.6(c)(1) Federally Enforceable

IX. Requirements Currently Not Applicable:

The Permittee did not identify any requirements which are not applicable to the facility.

General Title V Operating Permit Conditions

X. Issuance of a Title V Operating Permit:

- A.** This Permit is issued in accordance with the provisions of Part Env-A 609. In accordance with 40 CFR 70.6(a)(2) this Permit shall expire on the date specified on the cover page of this Permit, which shall not be later than the date five (5) years after issuance of this Permit.

Permit expiration terminates the Permittee's right to operate the Permittee's emission units, control equipment or associated equipment covered by this Permit, unless a timely and complete renewal application is submitted at least 6 months before the expiration date.

- B.** Pursuant to Env-A 609.02(b), this Permit shall be a state permit to operate as defined in RSA 125-

C:11, III.

XI. Title V Operating Permit Renewal Procedures:

Pursuant to Env-A 609.06(b), an application for renewal of this Permit shall be considered timely if it is submitted to the Director at least six months prior to the designated expiration date of this Permit.

XII. Application Shield:

Pursuant to Env-A 609.07, if an applicant submits a timely and complete application for the issuance or renewal of a Permit, the failure to have a Permit shall not be considered a violation of this part until the Director takes final action on the application.

XIII. Permit Shield:

- A. Pursuant to Env-A 609.08(a), a permit shield shall provide that:
 - 1. For any applicable requirement or any state requirement found in the New Hampshire Rules Governing the Control of Air Pollution specifically included in this Permit, compliance with the conditions of this Permit shall be deemed compliance with said applicable requirement or said state requirement as of the date of permit issuance; and
 - 2. For any potentially applicable requirement or any potential state requirement found in the New Hampshire Rules Governing the Control of Air Pollution specifically identified in Section IX of this Permit as not applicable to the stationary source or area source, the Permittee need not comply with the specifically identified federal or state requirements.
- B. The permit shield identified in Section XIII.A. of this Permit shall apply only to those conditions incorporated into this Permit in accordance with the provisions of Env-A 609.08(b). It shall not apply to certain conditions as specified in Env-A 609.08(c) that may be incorporated into this Permit following permit issuance by DES.
- C. If a Title V Operating Permit and amendments thereto issued by the DES does not expressly include or exclude an applicable requirement or a state requirement found in the NH Rules Governing the Control of Air Pollution, that applicable requirement or state requirement shall not be covered by the permit shield and the Permittee shall comply with the provisions of said requirement to the extent that it applies to the Permittee.
- D. If the DES determines that this Title V Operating Permit was issued based upon inaccurate or incomplete information provided by the applicant or Permittee, any permit shield provisions in said Title V Operating Permit shall be void as to the portions of said Title V Operating Permit which are affected, directly or indirectly, by the inaccurate or incomplete information.
- E. Pursuant to Env-A 609.08(f), nothing contained in Section XIII of this Permit shall alter or affect the ability of the DES to reopen this Permit for cause in accordance with Env-A 609.18 or to exercise its summary abatement authority.
- F. Pursuant to Env-A 609.08(g), nothing contained in Section XIII of this Permit or in any title V

operating permit issued by the DES shall alter or affect the following:

1. The ability of the DES to order abatement requiring immediate compliance with applicable requirements upon finding that there is an imminent and substantial endangerment to public health, welfare, or the environment;
2. The state of New Hampshire's ability to bring an enforcement action pursuant to RSA 125-C:15,II;
3. The provisions of section 303 of the Act regarding emergency orders including the authority of the EPA Administrator under that section;
4. The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance;
5. The applicable requirements of the acid rain program, consistent with section 408(a) of the Act;
6. The ability of the DES or the EPA Administrator to obtain information about a stationary source, area source, or device from the owner or operator pursuant to section 114 of the Act; or
7. The ability of the DES or the EPA Administrator to enter, inspect, and/or monitor a stationary source, area source, or device.

XIV. Reopening for Cause:

The Director shall reopen and revise a Title V Operating Permit for cause if any of the circumstances contained in Env-A 609.18(a) exist. In all proceedings to reopen and reissue a Title V Operating Permit, the Director shall follow the provisions specified in Env-A 609.18(b) through (g).

XV. Administrative Permit Amendments:

- A. Pursuant to Env-A 612.01, the Permittee may implement the changes addressed in the request for an administrative permit amendment as defined in Part Env-A 100 immediately upon submittal of the request.
- B. Pursuant to Env-A 612.01, the Director shall take final action on a request for an administrative permit amendment in accordance with the provisions of Env-A 612.01(b) and (c).

XVI. Operational Flexibility:

- A. Pursuant to Env-A 612.02(a), the Permittee subject to and operating under this Title V Operating Permit may make changes involving trading of emissions under this existing Title V Operating Permit at the permitted stationary source or area source without filing a Title V Operating Permit application for and obtaining an amended Title V Operating Permit, provided that all the conditions are met as specified in Section XVI. A. 1. through 7. of this permit and a notice is submitted to the DES and EPA describing the intended changes. At this point, the DES has not included any permit terms

authorizing emissions trading in this permit.

1. The change is not a modification under any provision of title I of the Act;
 2. The change does not cause emissions to exceed the emissions allowable under the title V operating permit, whether expressed therein as a rate of emissions or in terms of total emissions;
 3. The owner or operator has obtained any temporary permit required by Env-A 600;
 4. The owner or operator has provided written notification to the director and administrator at least 15 days prior to the proposed change and such written notification includes:
 - a. The date on which each proposed change will occur;
 - b. A description of each such change;
 - c. Any change in emissions that will result and how this change in emissions will comply with the terms and conditions of the permit;
 - d. A written request that the operational flexibility procedures be used; and
 - e. The signature of the responsible official, consistent with Env-A 605.04(b);
 5. The title V operating permit issued to the stationary source or area source already contains terms and conditions including all terms and conditions which determine compliance required under 40 CFR 70.6(a) and (c) and which allow for the trading of emissions increases and decreases at the permitted stationary source or area source solely for the purpose of complying with a federally-enforceable emissions cap that is established in the permit independent of otherwise applicable requirements;
 6. The owner or operator has included in the application for the title V operating permit proposed replicable procedures and proposed permit terms which ensure that the emissions trades are quantifiable and federally enforceable for changes to the title V operating permit which qualify under a federally- enforceable emissions cap that is established in the title V operating permit independent of the otherwise applicable requirements; and
 7. The proposed change complies with Env-A 612.02 (e).
- B.** Pursuant to Env-A 612.02(c), the Permittee subject to and operating under this Title V Operating Permit may make changes not addressed or prohibited by this existing Title V Operating Permit at the permitted stationary source or area source without filing a Title V Operating Permit application, provided that all the conditions specified in Env-A 612.02(c)(1) through (6) are met and a notice is submitted to the DES and EPA describing the intended changes.
- C.** Pursuant to Env-A 612.02(d), the Permittee, Operator, Director and Administrator shall attach each

notice of an off-permit change completed in accordance with Section XVI of this Title V Operating Permit to their copy of the current Title V Operating Permit.

- D. Pursuant to Env-A 612.02(e), any change under Section XVI shall not exceed any emissions limitations established under the NH Rules Governing the Control of Air Pollution, or result in an increase in emissions, or result in new emissions, of any toxic air pollutant or hazardous air pollutant other than those listed in the existing Permit.
- E. Pursuant to Env-A 612.02(f), the off-permit change shall not qualify for the permit shield under Env-A 609.08.

XVII. Minor Permit Amendments:

- A. Pursuant to Env-A 612.04 prior to implementing a minor permit modification, the Permittee shall submit a written request to the Director in accordance with the requirements of Env-A 612.04(b).
- B. The Director shall take final action on the minor permit amendment request in accordance with the provisions of Env-A 612.04(c) through (g).
- C. Pursuant to Env-A 612.04(h), the permit shield specified in Env-A 609.08 shall not apply to minor permit amendments under Section XVII. of this Permit.
- D. Pursuant to Env-A 612.04(i), the Permittee shall be subject to the provisions of Part Env-A 614 and Part Env-A 615 if the change is made prior to the filing with the Director a request for a minor permit amendment.

XVIII. Significant Permit Amendments:

- A. Pursuant to Env-A 612.05, a change at the facility shall qualify as a significant permit amendment if it meets the criteria specified in Env-A 612.05(a)(1) through (7).
- B. Prior to implementing the significant permit amendment, the Permittee shall submit a written request to the Director and to the EPA which includes all the information as referenced in Env-A 612.05(b) and (c) and shall be issued an amended Title V Operating Permit from the DES. The Permittee shall be subject to the provisions of Env-A 614 and Env-A 615 if a request for a significant permit amendment is not filed with the Director and/or the change is made prior to the issuance of an amended Title V Operating Permit.
- C. The Director shall take final action on the significant permit amendment in accordance with the procedures specified in Env-A 612.05(d), (e) and (f).

XIX. Title V Operating Permit Suspension, Revocation or Nullification:

- A. Pursuant to RSA 125-C:13, the Director may suspend or revoke any final permit issued hereunder if, following a hearing, the Director determines that:
 - 1. the Permittee has committed a violation of any applicable statute or state requirement found in the New Hampshire Rules Governing the Control of Air Pollution, order or permit

condition in force and applicable to it; or

2. that the emissions from any device to which this Permit applies, alone or in conjunction with other sources of the same pollutants, presents an immediate danger to the public health.
- B. The Director shall nullify any Permit, if following a hearing in accordance with RSA 541-A:30, II, a finding is made that the Permit was issued in whole or in part based upon any information proven to be intentionally false or misleading.

XX. Inspection and Entry:

Pursuant to Env-A 614.01, EPA and DES personnel shall be granted access to the facility covered by this Permit, in accordance with RSA 125-C:6, VII for the purposes of: inspecting the proposed or permitted site; investigating a complaint; and assuring compliance with any applicable requirement or state requirement found in the NH Rules Governing the Control of Air Pollution and/or conditions of any Permit issued pursuant to Chapter Env-A 600.

XXI. Certifications:

A. Compliance Certification Report

In accordance with 40 CFR 70.6(c) the Responsible Official shall certify, annually from the date of issuance, that the facility is in compliance with the requirements of this permit. The report shall be submitted to the DES and to the Regional Administrator, U.S. Environmental Protection Agency - New England Region. The report shall be submitted in compliance with the submission requirements below.

In accordance with 40 CFR 70.6(c)(5), the report shall describe:

1. The terms and conditions of the Permit that are the basis of the certification;
2. The current compliance status of the source with respect to the terms and conditions of this Permit, and whether compliance was continuous or intermittent during the reporting period;
3. The methods used for determining compliance, including a description of the monitoring, record keeping, and reporting requirements and test methods; and
4. Any additional information required by the DES to determine the compliance status of the source.

B. Certification of Accuracy Statement

All documents submitted to the DES shall contain a certification of accuracy statement by the responsible official of truth, accuracy, and completeness. Such certification shall be in accordance with the requirements of 40 CFR 70.5(d) and contain the following language:

"I am authorized to make this submission on behalf of the facility for which the submission is made. Based on information and belief formed after reasonable inquiry, I certify that the statements and information in the

enclosed documents are to the best of my knowledge and belief true, accurate and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment."

XXII. Enforcement:

Any noncompliance with a permit condition constitutes a violation of RSA 125-C:15, and, as to the conditions in this permit which are federally enforceable, a violation of the Clean Air Act, 42 U.S.C. section 7401 et seq., and is grounds for enforcement action, for permit termination or revocation, or for denial of an operating permit renewal application by the DES and/or EPA. Noncompliance may also be grounds for assessment of administrative, civil or criminal penalties in accordance with RSA 125-C:15 and/or the Clean Air Act. This Permit does not relieve the Permittee from the obligation to comply with any other provisions of RSA 125-C, the New Hampshire Rules Governing the Control of Air Pollution, or the Clean Air Act, or to obtain any other necessary authorizations from other governmental agencies, or to comply with all other applicable Federal, State, or Local rules and regulations, not addressed in this Permit.

In accordance with 40 CFR 70.6 (a)(6)(ii) a Permittee shall not claim as a defense in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this Permit.

XXIII. Emission-Based Fee Requirements:

- A. The Permittee shall pay an emission-based fee annually for this facility as calculated each calendar year pursuant to Env-A 704.03.
- B. The Permittee shall determine the total actual annual emissions from the facility to be included in the emission-based multiplier specified in Env-A 704.03(a) for each calendar year in accordance with the methods specified in Env-A 620.
- C. The Permittee shall calculate the annual emission-based fee for each calendar year in accordance with the procedures specified in Env-A 704.03 and the following equation:

$$FEE = E (DPT (CPI_m (ISF$$

Where:

FEE = The annual emission-based fee for each calendar year as specified in Env-A 704.
 E = The emission-based multiplier is based on the calculation of total annual emissions as specified in Env-A 704.02 and the provisions specified in Env-A 704.03(a).
 DPT = The dollar per ton fee the DES has specified in Env-A 704.03(b).
 CPI_m = The Consumer Price Index Multiplier as calculated in Env-A 704.03(c).
 ISF = The Inventory Stabilization Factor as specified in Env-A 704.03(d).

- D. The Permittee shall contact the DES each calendar year for the value of the Inventory Stabilization Factor.
- E. The Permittee shall contact the DES each calendar year for the value of the Consumer Price Index

Multiplier.

- F.** The Permittee shall submit, to the DES, payment of the emission-based fee and a summary of the calculations referenced in Sections XXIII.B. and C of this Permit for each calendar year by October 15th of the following calendar year in accordance with Env-A 704.04. The emission-based fee and summary of the calculations shall be submitted to the following address:

New Hampshire Department of Environmental Services
Air Resources Division
64 North Main Street
P.O. Box 2033
Concord, NH 03302-2033
ATTN: Emissions Inventory

- G.** The DES shall notify the Permittee of any under payments or over payments of the annual emission-based fee in accordance with Env-A 704.05.

XXIV. Duty To Provide Information

In accordance with 40 CFR 70.6 (a)(6)(v), upon the DES's written request, the Permittee shall furnish, within a reasonable time, any information necessary for determining whether cause exists for modifying, revoking and reissuing, or terminating the Permit, or to determine compliance with the Permit. Upon request, the Permittee shall furnish to the DES copies of records that the Permittee is required to retain by this Permit. The Permittee may make a claim of confidentiality as to any information submitted pursuant to this condition in accordance with Part Env-A 103 at the time such information is submitted to the DES. The DES shall evaluate such requests in accordance with the provisions of Part Env-A 103.

XXV. Property Rights

Pursuant to 40 CFR 70.6 (a)(6)(iv), this Permit does not convey any property rights of any sort, or any exclusive privilege.

XXVI. Severability Clause

Pursuant to 40 CFR 70.6 (a)(5), the provisions of this Permit are severable, and if any provision of this Permit, or the application of any provision of this Permit to any circumstances is held invalid, the application of such provision to other circumstances, and the remainder of this Permit, shall not be affected thereby.

XXVII. Emergency Conditions

Pursuant to 40 CFR 70.6 (g), the Permittee shall be shielded from enforcement action brought for noncompliance with technology based¹ emission limitations specified in this Permit as a result of an

¹ Technology based emission limits are those established on the basis of emission reductions achievable with various control measures or process changes (e.g., a new source performance standard) rather than those established to attain health based air quality standards.

emergency². In order to use emergency as an affirmative defense to an action brought for noncompliance, the Permittee shall demonstrate the affirmative defense through properly signed, contemporaneous operating logs, or other relevant evidence that:

- A. An emergency occurred and that the Permittee can identify the cause(s) of the emergency;
- B. The permitted facility was at the time being properly operated;
- C. During the period of the emergency, the Permittee took all reasonable steps as expeditiously as possible, to minimize levels of emissions that exceeded the emissions standards, or other requirements in this Permit; and
- D. The Permittee submitted notice of the emergency to the DES within two (2) business days of the time when emission limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emission, and corrective actions taken.

XXVIII. Permit Deviation

In accordance with 40 CFR 70.6(a)(3)(iii)(B), the Permittee shall report to the DES all instances of deviations from Permit requirements, by telephone or fax, within 8 hours of discovery of such deviation pursuant to Env-A 902.02. This report shall include the deviation itself, including those attributable to upset conditions as defined in the Permit, the probable cause of such deviations, and any corrective actions or preventative measures taken. Said Permit deviation shall also be submitted in writing to the DES within fifteen (15) days of documentation of the deviation by facility personnel. Deviations are instances where any Permit condition is violated and has not already been reported as an emergency pursuant to Section XXVII of this Permit.

Reporting a Permit deviation is not an affirmative defense for action brought for noncompliance.

² An "emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation would require immediate corrective action to restore normal operation, and that causes the source to exceed a technology based limitation under the permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operations, operator error or decision to keep operating despite knowledge of any of these things.

